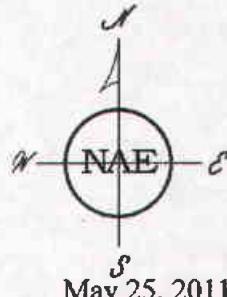


cc: Leslie



NORTH AMERICAN EXPLORATION INC.

MINERAL EXPLORATION SERVICES
2011 MAY 25 PM 3:55

USDI - BLH

Mr. Michael G. Nelson
Mr. Stephen Allen
Bureau of Land Management
Salt Lake Field Office
2370 South 2300 West
Salt lake City, UT 84119

Dear Mr. Nelson,

Reference is made to 3809 U-87834 (UTW011) & M/045/0078

The following information regards analytical work done on rock samples from the proposed Kiewit Gold Mine in Tooele County, Utah. This analytical information is part of the information requested by the BLM in to determine the potential of mine rock to produce acid mine drainage.

Introduction

The analyses are in regards to Meteoric Water Mobility Procedure (MWMP) testing and were done by the Metallurgical Division of Inspectorate Laboratories located in Richmond BC, Canada. The work was done on behalf of Desert hawk Gold Corp.

Ten samples of rock were collected on November 2-3, 2010 in conjunction with Stephen Allen of the Salt lake Field Office. These samples were collected from drill core stored in Wendover, Utah. Three core holes were noted to have representations of overburden, ore and the future pit floor of the mine, though a very limited amount of core was available. Core from a fourth drill hole was collected to represent the high wall of the mine. We were able to collect approximately 15 lbs of core was collected for each representative sample for use in mineralogical and static testing. Portions of these samples were sent to other laboratories for mineralogical analysis, with the larger portion sent to Inspectorate and used in the MWMP tests.

Objective

Meteoric water mobility testing (MWMP) was conducted on ten samples from the Kiewit Mine on behalf of Desert Hawk Gold Corporation. The objective of the MWMP procedure is to evaluate the potential for dissolution of certain constituents from a mine rock sample by

percolating water through the sample in a column. Test results may contribute to drainage chemistry information as a preliminary indication of water quality from the waste rock stockpiles. Test work included individual sample preparation, moisture determination, head characterization and column percolation tests according to the MWMP procedure.

Lab Procedures

Samples arrived to the Inspectorate Laboratory in Richmond, BC in December of 2010. Individual sample identification, description and weights are recorded in the Sample Receiving Log Sheet. Test work commenced in January of 2011. Each sample was individually blended by rolling and a sample for feed moisture content was removed. The remainder of each sample was screened on 5cm (2 inch) screen and weight distributions were calculated. Plus 5cm material was crushed to just pass 5cm screen. The recombined 100% passing 5cm mine rock sample was thoroughly blended by rolling and carefully loaded into the extraction column to minimize particle segregation and compaction. Extraction PVC columns of 15cm (6inch) O.D. and 50cm (20inch) height were prepared and set up for tests.

The extraction procedure was performed according to the MWMP procedure. Water, purified by combination of distillation and ion exchange, confirmed to the specifications for Type II reagent grade water, was used. Tests were conducted at a water to rock ratio of 1 to 1 by weight. Reporting of individual sample dry based weights loaded to the columns, volume of Type II reagent grade water applied to each column, time of contact, pH of extraction solution and effluent and other relevant data as per MWMP procedure are presented in the attached test data and MWMP test data sheets. The collected leach extracts were analyzed for total dissolved solids, alkalinity, sulfate, phosphate, chloride, fluoride, nitrate, nitrite and ICP. Assays of all feeds and collected effluents were conducted by Inspectorate's Analytical Division according to the standardized ASTM methods as presented in Certificate of Analysis assay report and MWMP Effluent Assay Report.

Rock Assay Results

Assays of individual feed samples included gold assay on 2 assay tons by fire assay, 30 elements metal scan after aqua regia digestion by inductively coupled plasma (ICP), carbon and sulfur assay by Leco furnace, sulfate sulfur and acid base accounting (ABA) determination. The attached data sheets summarize the head assays for the main constituents of the ten received samples with complete feed assay presented in the assay notes. Feed assays reported low sulfide presence of below 0.05%, with the exception of one sample (ID 374058) which assayed only 0.18% sulfur. Carbon total measured was about 1% with two sample ID's in lower range and one sample ID with 3.5%C. Paste pH was measured between 7.95 and 8.63. An acid base accounting test (ABA) of solids was performed according to the Sobek method. Net neutralization potential (NNP) resulted in positive values for all samples. The ABA results are presented in the attached

Acid Base Accounting Report. These results showed that samples from the Kiewit Mine are not potential acid producers.

Effluent Assay Results

The results of paste pH for the ten Kiewit Mine samples tested ranged between 7.95 and 8.63. Measured residual moisture of MWMP samples was from 4.6 to 7.2%. The MWMP extraction effluent pH ranged between 7.56 and 9.05. The TDS (total dissolved solids) of the effluents were considered low in range from 36 to 439mg/L. Effluent alkalinity measurements ranged between 16 and 43mg/L CaCO₃. Fluoride, sulfate, barium, calcium, magnesium, sodium and strontium were detected in all of the effluents. All fluoride measurements were lower than 0.5mg/L. The highest sulfate measured was 25mg/L in sample ID 374053. In some of the MWMP effluents aluminum, iron, manganese, molybdenum, potassium, tungsten and zinc were also detected in low range of less than 1mg/L. Only in sample ID 374061 detected iron, which was 10mg/L and this sample also resulted with highest aluminum which measured 37mg/L.

Conclusions

MWMP test work performed on ten samples from the proposed Kiewit gold mine reported low levels of fluoride, sulfate and metals detected in the extraction effluents. Testing was done in accordance with ASTM E2242-02. The test procedure was based on 24 hours of water percolation through each sample placed in a column. Acid Base Accounting shows that overburden, ore, pit floor and high-wall rock from the proposed mine are acid consuming and will not generate acid mine drainage.

Sincerely,



Oren Gatten

Reclamation Specialist

North American Exploration

cc: Project
Correspondence

Sample results from WWMP (ASTM E2242-02) compared with Utah Ground Water Quality Standards

Parameter	CASRN	Chemical Abstract Services Registration number	Ground Water Quality Standard	Unit	MWMP Lixiviant Results						Blank Deion Water (374062)		
					Column 1 (374053)	Column 2 (374054)	Column 3 (374055)	Column 4 (374056)	Column 5 (374057)	Column 6 (374058)	Column 7 (374059)	Column 8 (374060)	Column 9 (374061)
Physical Characteristics													
Sample Size			Kg	5.1	6.0	4.1	3.4	4.8	4.4	5.7	6.1	5.2	6.4
Total Dissolved Solids			mg/l	438	96	93	232	139	97	745	36	248	55
Alkalinity			mg/l CaCO ₃	40.41	16.93	37.64	47.53	21.49	39.84	16.79	43.4	25.12	-
Color			Colorless	15	Colorless	Colorless	Colorless	Colorless	Light Yellow	Yellow Colloidal	Colorless	Light Yellow	Light Yellow
Corrosivity			noncorrosive	3									-
Odor			pH	6.5 - 8.5	7.99	7.72	7.96	8.83	7.95	7.56	9.05	7.85	7.76
Metals													
Antimony	7440-36-0	0.006	mg/l	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	
Arsenic	7440-38-2	0.05	mg/l	7.00E+06	fibers/l								<0.2
Asbestos (> 10 microns in length)	1332-21-4												
Barium	7440-39-3	2	mg/l	0.06	0.07	0.05	0.08	0.07	0.01	0.02	1.62	0.07	0.04
Beryllium	7440-41-7	0.004	mg/l			<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cadmium	7440-43-9	0.005	mg/l			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chromium (total)	7440-47-3	0.1	mg/l			<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Copper	7440-50-8	1.3	mg/l			<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Lead	7439-92-1	0.015	mg/l			<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Mercury (inorganic)	7487-94-7	0.002	mg/l			<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Selenium	7782-49-2	0.05	mg/l										<0.05
Silver	7440-22-4	0.1	mg/l			<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Thallium	7440-28-0	0.002	mg/l			<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Zinc	7440-66-6	5	mg/l			<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Elements not listed within the Ground Water Quality Standard													
Aluminum			mg/l	0.2	<0.2	<0.2	3.2	0.2	<0.2	<0.2	37.5	2.8	<0.2
Bismuth			mg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Calcium			mg/l	23.9	11.9	11.3	3.9	14.9	10.4	7.8	30.7	1.3	4.6
Cobalt			mg/l	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Iron			mg/l	<0.03	<0.03	<0.03	0.74	<0.03	1.01	<0.03	10.1	0.72	<0.03
Potassium			mg/l	3	<2	3	<2	<2	6	<2	6	17	<2

Sample results from MWMP (ASTM E2242-02) compared with Utah Ground Water Quality Standards

Parameter	CASRN	Chemical Abstract Services Registration number	GWQS Ground Water Quality Standard	Unit	MWMP Lixiviant Results										
					Column 1 (374053)	Column 2 (374054)	Column 3 (374055)	Column 4 (374056)	Column 5 (374057)	Column 6 (374058)	Column 7 (374059)	Column 8 (374060)	Column 9 (374061)	Column 10 (374062)	
Lanthanum				mg/l	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
Magnesium				mg/l	3.3	1.7	3.3	1.1	1.3	2.8	1	6.4	4.7	0.9	<0.1
Manganese				mg/l	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.07	0.1	<0.05	<0.05	<0.05
Molybdenum				mg/l	0.03	0.03	0.04	0.04	0.04	0.03	<0.02	0.03	0.03	0.03	<0.02
Sodium				mg/l	136	13	25	90	38	16	6	17	28	14	<1
Nickel				mg/l	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Phosphorus				mg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Antimony				mg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Scandium				mg/l	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Strontium				mg/l	0.36	0.08	0.1	0.04	0.07	0.08	0.09	0.47	0.02	0.02	<0.01
Titanium				mg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Vanadium				mg/l	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	0.04	0.01	<0.01
Tungsten				mg/l	<0.1	<0.1	<0.1	<0.1	<0.1	0.7	<0.1	0.6	<0.1	<0.1	<0.1
Zirconium				mg/l	<0.01	<0.01	<0.01	<0.01	<0.01	0.08	<0.01	<0.01	<0.01	<0.01	<0.01

SAMPLE RECEIVING LOG SHEET

TEST DATA

Client: Desert Hawk
Test: MWMP
Sample: As per id

Date: 21-Jan-11
Project: 1007012
Page: 1 of 2

Objective: Sample Preparation for MWMP test as per MWMP procedure

Sample Id	Received Moisture %	Screen on 5cm screen	
		+5cm g	+5cm %
374053 (KZ 07-1)	0.38	524.40	10.91
374054 (KZ 07-2)	0.25	0.00	0.00
374055 (KZ 07-3)	0.25	2390.00	57.87
374056 (KZ 08-1)	0.54	1290.00	37.07
374057 (KZ 08-2)	0.03	990.00	20.71
374058 (KZ 08-3)	0.30	880.00	20.23
374059 (KZ 17-01)	0.33	2510.00	44.27
374060 (KZ 17-02)	0.15	365.00	6.00
374061 (KZ 17-03)	5.69	855.00	16.46
374062 (KZ 19-01)	0.57	3300.00	51.81

MWMP TEST DATA

Client: Desert Hawk
 Test: MWMP
 Sample: As per id

Date: 21-Jan-11
 Project: 1007012
 Page: 2 of 2

Objective: Meteric water mobility follow up data as per MWMP procedure

Column #	Sample id	Sample calc.dry weight g	Initial deion. water ml	Extraction fluid	Time of contact, h	After extraction effluent pH	Effluent volume ml	Residual moisture %	Final dry weight g	Comment
1	374053	4760	4760	Initial pH (influent)	7.56	26	7.99	4316	5.94	4747.5 solution colorless
2	374054	5000	5000		7.88	26	7.72	4560	4.67	4988.6 solution colorless
3	374056	3830	3830		7.48	25	7.96	3355	5.79	3820.9 solution colorless
4	374056	3180	3180		8.08	24	8.83	2860	5.09	3167.7 solution colorless
5	374057	4480	4480		7.82	24	7.95	4106	3.76	4474.5 solution colorless
6	374058	4050	4050		7.49	25	7.58	3530	7.18	4008.5 light yellow solution
7	374059	5345	5345		9.38	24	9.05	4925	4.67	5306.4 yellow colloidal solution
8	374060	5755	5755		7.80	24	7.85	5335	3.98	5746.7 solution colorless
9	374061	4885	4885		7.66	24	7.76	4140	6.64	4851.3 light yellow solution
10	374062	6050	6050		7.92	24	7.64	5495	5.79	6020.1 light yellow solution

Note*: Sample weight used as available. MWMP procedure indicate 5kg of -5cm material for the test

ASSAY REPORT

Client: Desert Hawk
Test: MWMP
Sample: As per id

Date: 9-May-11
Test: 1007412

Elements	Units	Sample Id		Analytical Method							
		374053	374054	374055	374056	374057	374058	374059	374060	374061	374062
Cat	%	0.88	1.05	0.98	0.23	3.46	1.03	0.17	0.77	2.64	0.06
Slat	%	0.03	0.03	0.02	0.03	0.18	0.03	0.03	0.03	0.04	0.04
S(SO4)	%	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.03
Au	ppm	0.069	0.246	0.281	0.022	0.253	0.042	0.073	0.063	0.16	0.028
Ag	ppm	<0.1	1	<0.1	0.5	14.1	2.7	0.2	<0.1	<0.1	30-AR-TR
Al	%	0.87	0.57	0.84	1.22	0.17	0.88	0.8	0.51	0.26	1.76
As	ppm	12	28	10	21	28	17	46	13	14	30-AR-TR
Ba	ppm	38	55	41	56	50	31	98	65	154	712
Bi	ppm	<2	<2	<2	<2	<2	<2	<2	<2	<2	30-AR-TR
Ca	%	3.7	3.55	3.51	1.2	>10	3.48	0.85	2.67	8.54	0.47
Cd	ppm	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	30-AR-TR
Co	ppm	8	7	8	10	5	9	8	8	3	12
Cr	ppm	77	97	86	75	86	61	77	94	110	51
Cu	ppm	28	13	19	9	54	51	25	21	12	48
Fe	%	2.23	1.48	1.78	2.64	0.75	1.86	2.13	1.27	1.12	4.03
Hg	ppm	4	<3	3	<3	<3	<3	<3	<3	4	30-AR-TR
K	%	0.18	0.16	0.2	0.21	0.09	0.18	0.26	0.16	0.07	0.25
La	ppm	81	68	72	72	21	69	75	51	19	60
Mg	%	0.82	0.58	0.88	0.93	0.1	0.98	0.51	0.44	0.26	1.18
Mn	ppm	655	334	315	368	634	271	416	228	371	489
Mo	ppm	<1	1	<1	<1	2	<1	10	<1	1	2
Na	%	0.05	0.02	0.01	0.13	0.02	0.02	0.07	0.01	<0.01	0.03
N	ppm	7	7	7	8	4	7	6	5	4	30-AR-TR
P	ppm	1813	1221	1458	2045	518	1426	1870	1107	458	1536
Ph	ppm	13	46	6	12	285	10	264	10	5	41
Sb	ppm	<2	<2	<2	<2	<2	<2	<2	<2	<2	30-AR-TR
Sc	ppm	1	1	1	2	<1	1	1	<1	<1	2
Sr	ppm	276	135	455	63	665	62	40	140	226	31
Tl	%	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	30-AR-TR
Tt	ppm	<10	<10	<10	<10	<10	<10	<10	<10	<10	30-AR-TR
V	ppm	23	13	19	27	15	16	20	11	10	10
W	ppm	<10	<10	<10	<10	<10	85	<10	<10	<10	30-AR-TR
Zn	ppm	43	81	24	39	46	25	192	27	20	82
Zr	ppm	39	27	32	41	15	30	40	21	20	59

MWMP EFFLUENT ASSAY REPORT

Client: Desert Hawk
Test: MWMP
Sample: Effluent solutions as per D

Date: 9-May-11
Project: 1007412

Element	Units	Effluent Sample Id										Blank		Dilution Water		
		Col 1 (374055)	Col 2 (3740554)	Col 3 (3740551)	Col 4 (3740551)	Col 5 (3740551)	Col 6 (3740551)	Col 7 (3740551)	Col 8 (3740551)	Col 9 (3740551)	Col 10 (3740551)	Assay	Assay			
TDS	mg/L	40.41	16.93	37.64	47.53	232	13B	21.49	36.84	16.75	43.4	55				
Alkalinity	mg/L-CaCO ₃	243.9	34.36	37.91	179.6	50.7	33.7	16.0	76.4	14.2	25.12					
Cr	mg/L	0.19	0.18	0.31	0.47	0.24	0.30	0.13	0.32	0.37	0.24	13.6				
F	mg/L	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	0.24				
NO ₂ ⁻	mg/L	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.03				
NO ₃ ⁻	mg/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1				
PO ₄ ³⁻	mg/L	25.1	5.9	5.5	17.6	13.2	8.9	4.4	4.2	3.4	4.0	4.0				
SO ₄ ²⁻	mg/L	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02		
Al	mg/L	0.2	<0.2	<0.2	3.2	0.2	2.8	<0.2	<0.2	37.5	2.8			<0.2		
As	mg/L	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2			<0.2		
Ba	mg/L	0.06	0.07	0.05	0.08	0.07	0.01	0.02	1.62	0.07	0.04			<0.01		
Bi	mg/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1			H2O-ICP	
Ca	mg/L	23.9	11.9	11.3	3.9	14.9	10.4	7.8	30.7	1.3	4.6			H2O-ICP		
Cd	mg/L	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01			H2O-ICP	
Co	mg/L	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01			H2O-ICP	
Cr	mg/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1			H2O-ICP	
Cu	mg/L	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01			H2O-ICP	
Fe	mg/L	<0.03	<0.03	<0.03	<0.74	<0.03	1.01	<0.03	<0.03	<0.03	10.1	0.72			H2O-ICP	
Hg	mg/L	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05			H2O-ICP	
K	mg/L	3	<2	<2	<2	5	<2	6	17	<2	<2	<2			H2O-ICP	
La	mg/L	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05			H2O-ICP	
Mg	mg/L	3.3	1.7	3.3	1.1	1.3	2.8	1	6.4	4.7	9.9			<0.1		
Mn	mg/L	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05			H2O-ICP	
Mo	mg/L	0.03	0.03	0.04	0.04	0.04	0.03	<0.02	0.03	0.03	0.03	0.03			H2O-ICP	
Na	mg/L	136	13	25	90	39	18	6	17	28	14	<1			H2O-ICP	
Ni	mg/L	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02			H2O-ICP	
P	mg/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1			H2O-ICP	
Pb	mg/L	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05			H2O-ICP	
Sb	mg/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1			H2O-ICP	
Sc	mg/L	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05			H2O-ICP	
Sr	mg/L	0.36	0.08	0.1	0.04	0.07	0.08	0.09	0.47	0.02	0.02	<0.01			H2O-ICP	
Tl	mg/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1			H2O-ICP	
Tl	mg/L	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2			H2O-ICP	
V	mg/L	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01			H2O-ICP	
W	mg/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1			H2O-ICP	
Zn	mg/L	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05			H2O-ICP	
Zr	mg/L	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01			H2O-ICP	

ACID BASE ACCOUNTING TEST REPORT

Sobek Method

Client: Desert Hawk

Date: 13-Jan-11

Sample: As per id

Project: 1007012

Item	Sample ID	S _T	S _(SO₄)	Paste	Acid	Neutralization Potential (NP)		
		%	%	pH	Potential	Actual	Ratio	Net
1	374053	0.03	<0.01	8.3	0.8	84.5	108.2	83.7
2	374054	0.03	<0.01	8.3	0.8	85.6	101.4	84.7
3	374055	0.03	<0.01	8.5	0.9	84.5	96.6	83.6
4	374056	0.02	<0.01	8.4	0.7	31.3	47.7	30.7
5	374057	0.05	0.01	8.2	1.2	299.4	258.9	298.2
6	374058	0.18	<0.01	8.2	5.5	83.5	15.1	78.0
7	374059	0.03	<0.01	8.6	1.0	20.0	20.6	19.0
8	374060	0.03	<0.01	8.4	0.9	91.8	98.0	90.9
9	374061	0.04	<0.01	8.1	1.1	248.3	220.7	247.2
10	374062	0.04	0.03	8.0	0.4	13.1	30.0	12.7
DUPL -1	374053	0.03	<0.01	8.3	0.8	84.5	100.2	83.7
ST	Standard (NP 52)	0.01	<0.01		0.2	52.7	337.2	52.5

Notes:

1. Analytical procedures from "Field and Laboratory Methods Applicable to Overburden and Minesoils". EPA 600/2-78-054, 1978. pp. 45-55.
2. Actual NP = Neutralization potential as determined by Sobek acid consumption test.
3. Acid potential = (% total sulphur-% sulphate sulphur) X 31.25
4. NP Ratio = Actual NP / Acid potential
5. Net NP = Actual NP - Acid potential
6. The acid potential and the neutralizing potentials are expressed in Kg CaCO₃ equivalent per tonne of sample.
7. Samples with negative Net NP are potential acid producers